

Do Not Enter

4/19/05

1. (currently amended)

An automated computer-controlled field-deployable
2 monitoring system for collection and analysis of environmental
contaminants and determining the concentration of an analyte of
4 interest in ground water, industrial and surface water, comprising:

diversion means dividing a water sample into first and
6 second flow paths, said first flow path directing the water
sample to a sample chamber for analysis, and the second flow
8 path passing the water sample through one of (a) a media, (b) a
chamber, to eliminate the analyte of interest before introduction
10 of water into the a sample chamber,

a calibration assembly to add a standard of predetermined
12 concentration of analyte to the water after it passes through
one of (a) the media, (b) the chamber, to eliminate the analyte
14 of interest, -and-

means to reunite said first and second flow paths into a
16 single flow path, and

an analytical assembly to receive water from said single
18 flow path to determine the concentration of the analyte in the
sample water for either of the first or second flow paths.